

Sequence Listing

<110> Botstein,David
Desnoyers,Luc
Ferrara,Napoleone
Fong,Sherman
Gao,Wei-Qiang
Goddard,Audrey
Gurney,Austin L.
Pan,James
Roy,Margaret Ann
Stewart,Timothy A.
Tumas,Daniel
Watanabe,Colin K.
Wood,William I.

<120> Secreted and Transmembrane Polypeptides and Nucleic
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Ala	Val	Val	Pro	Glu	Met	Glu	Lys	Arg	Gly	Gly	Gly	Ser	Val	Val
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Ile	Val	Ser	Ser	Ile	Ala	Ala	Phe	Ser	Pro	Ser	Pro	Gly	Phe	Ser
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Pro	Tyr	Asn	Val	Ser	Lys	Thr	Ala	Leu	Leu	Gly	Leu	Thr	Lys	Thr
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				200					205					210
Ala	Pro	Gly	Leu	Ile	Lys	Thr	Ser	Phe	Ser	Arg	Met	Leu	Trp	Met
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Cys	Ser	Glu	Asp	Ala	Ser	Tyr	Ile	Thr	Gly	Glu	Thr	Val	Val	Val
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Ser Ala Gln Ser	Glu Lys Arg Leu	Gln Glu Leu Glu	Arg Asn Val
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Glu Glu Thr Glu	Gln Lys Arg Arg	Leu Glu Ala Glu	Met Ser Lys
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485	490	495
Ser Leu Arg Gln Glu Lys Asp Ser Leu	Leu Lys Gln Arg Leu Glu	
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Ile Asp Gly Lys Leu Arg Gln Gly Ser	Leu Leu Ser Pro Glu Glu	
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35 40 45
Lys Ile Tyr Asn Pro Ser Glu Gln Cys Cys Tyr Asp Asp Ala Ile
50 55 60
Leu Ser Leu Lys Glu Thr Arg Arg Cys Gly Ser Thr Cys Thr Phe
65 70 75
Trp Pro Cys Phe Glu Leu Cys Cys Pro Glu Ser Phe Gly Pro Gln
80 85 90
Gln Lys Phe Leu Val Lys Leu Arg Val Leu Gly Met Lys Ser Gln
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His Val Leu Tyr Pro
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Thr	Glu	Glu	Gly	Pro	Leu	Cys	Ala	Gln	Pro	Glu	Cys	Pro	Arg	Leu	185	190	195	
His	Pro	Arg	Cys	Ile	His	Val	Asp	Thr	Ser	Gln	Cys	Cys	Pro	Gln	200	205	210	
Cys	Lys	Glu	Arg	Lys	Asn	Tyr	Cys	Glu	Phe	Arg	Gly	Lys	Thr	Tyr	215	220	225	
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245	250	255
Gln Thr Glu Cys Val Asp Pro Val Tyr Glu Pro Asp Gln Cys Cys		
260	265	270
Pro Ile Cys Lys Asn Gly Pro Asn Cys Phe Ala Glu Thr Ala Val		
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Ile Pro Ala Gly Arg Glu Val Lys Thr Asp Glu Cys Thr Ile Cys		
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<210> 13

<211> 24

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<223> Synthetic Oligonucleotide Probe

<400> 13

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<210> 14

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<212> DNA

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<211> 1029

<212> PRT

<213> Homo sapiens

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				20					25					30
Ile	Trp	Phe	Pro	Glu	Glu	Lys	Pro	Leu	Pro	Thr	Ala	Phe	Leu	Val
				35					40					45
Asp	Thr	Ser	Glu	Glu	Ala	Leu	Leu	Leu	Pro	Asp	Trp	Leu	Lys	Leu
				50					55					60
Arg	Met	Ile	Arg	Ser	Glu	Val	Leu	Arg	Leu	Val	Asp	Ala	Ala	Leu
				65					70					75
Gln	Asp	Leu	Glu	Pro	Gln	Gln	Leu	Leu	Leu	Phe	Val	Gln	Ser	Phe
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Gly	Ile	Pro	Val	Ser	Ser	Met	Ser	Lys	Leu	Leu	Gln	Phe	Leu	Asp
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Gln	Ala	Val	Ala	His	Asp	Pro	Gln	Thr	Leu	Glu	Gln	Asn	Ile	Met	
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Asp	Lys	Asn	Tyr	Met	Ala	His	Leu	Val	Glu	Val	Gln	His	Glu	Arg	
				125					130					135	
Gly	Ala	Ser	Gly	Gly	Gln	Thr	Phe	His	Ser	Leu	Leu	Thr	Ala	Ser	
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Leu	Pro	Pro	Arg	Arg	Asp	Ser	Thr	Glu	Ala	Pro	Lys	Pro	Lys	Ser	
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Ser	Pro	Glu	Gln	Pro	Ile	Gly	Gln	Gly	Arg	Ile	Arg	Val	Gly	Thr	
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Gln	Leu	Arg	Val	Leu	Gly	Pro	Glu	Asp	Asp	Leu	Ala	Gly	Met	Phe	
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Leu	Gln	Ile	Phe	Pro	Leu	Ser	Pro	Asp	Pro	Arg	Trp	Gln	Ser	Ser	
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Ser	Pro	Arg	Pro	Val	Ala	Leu	Ala	Leu	Gln	Gln	Ala	Leu	Gly	Gln	
				215					220					225	
Glu	Leu	Ala	Arg	Val	Val	Gln	Gly	Ser	Pro	Glu	Val	Pro	Gly	Ile	
				230					235					240	
Thr	Val	Arg	Val	Leu	Gln	Ala	Leu	Ala	Thr	Leu	Leu	Ser	Ser	Pro	
				245					250					255	
His	Gly	Gly	Ala	Leu	Val	Met	Ser	Met	His	Arg	Ser	His	Phe	Leu	
				260					265					270	
Ala	Cys	Pro	Leu	Leu	Arg	Gln	Leu	Cys	Gln	Tyr	Gln	Arg	Cys	Val	
				275					280					285	
Pro	Gln	Asp	Thr	Gly	Phe	Ser	Ser	Leu	Phe	Leu	Lys	Val	Leu	Leu	
				290					295					300	
Gln	Met	Leu	Gln	Trp	Leu	Asp	Ser	Pro	Gly	Val	Glu	Gly	Gly	Pro	
				305					310					315	
Leu	Arg	Ala	Gln	Leu	Arg	Met	Leu	Ala	Ser	Gln	Ala	Ser	Ala	Gly	
				320					325					330	
Arg	Arg	Leu	Ser	Asp	Val	Arg	Gly	Gly	Leu	Leu	Arg	Leu	Ala	Glu	
				335					340					345	
Ala	Leu	Ala	Phe	Arg	Gln	Asp	Leu	Glu	Val	Val	Ser	Ser	Thr	Val	
				350					355					360	
Arg	Ala	Val	Ile	Ala	Thr	Leu	Arg	Ser	Gly	Glu	Gln	Cys	Ser	Val	
				365					370					375	
Glu	Pro	Asp	Leu	Ile	Ser	Lys	Val	Leu	Gln	Gly	Leu	Ile	Glu	Val	
				380					385					390	
Arg	Ser	Pro	His	Leu	Glu	Glu	Leu	Leu	Thr	Ala	Phe	Phe	Ser	Ala	

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425	430	435
Gly Lys Pro Gly Ala Asp Gly Gly Ser	Leu Glu Ala Val Arg Leu	
440	445	450
Gly Pro Ser Ser Gly Leu Leu Val Asp	Trp Leu Glu Met Leu Asp	
455	460	465
Pro Glu Val Val Ser Ser Cys Pro Asp	Leu Gln Leu Arg Leu Leu	
470	475	480
Phe Ser Arg Arg Lys Gly Lys Gly Gln	Ala Gln Val Pro Ser Phe	
485	490	495
Arg Pro Tyr Leu Leu Thr Leu Phe Thr	His Gln Ser Ser Trp Pro	
500	505	510
Thr Leu His Gln Cys Ile Arg Val Leu	Leu Gly Lys Ser Arg Glu	
515	520	525
Gln Arg Phe Asp Pro Ser Ala Ser Leu	Asp Phe Leu Trp Ala Cys	
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Ile His Val Pro Arg Ile Trp Gln Gly	Arg Asp Gln Arg Thr Pro	
545	550	555
Gln Lys Arg Arg Glu Glu Leu Val Leu	Arg Val Gln Gly Pro Glu	
560	565	570
Leu Ile Ser Leu Val Glu Leu Ile Leu	Ala Glu Ala Glu Thr Arg	
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Ser Gln Asp Gly Asp Thr Ala Ala Cys	Ser Leu Ile Gln Ala Arg	
590	595	600
Leu Pro Leu Leu Leu Ser Cys Cys Cys	Gly Asp Asp Glu Ser Val	
605	610	615
Arg Lys Val Thr Glu His Leu Ser Gly	Cys Ile Gln Gln Trp Gly	
620	625	630
Asp Ser Val Leu Gly Arg Arg Cys Arg	Asp Leu Leu Leu Gln Leu	
635	640	645
Tyr Leu Gln Arg Pro Glu Leu Arg Val	Pro Val Pro Glu Val Leu	
650	655	660
Leu His Ser Glu Gly Ala Ala Ser Ser	Ser Val Cys Lys Leu Asp	
665	670	675
Gly Leu Ile His Arg Phe Ile Thr Leu	Leu Ala Asp Thr Ser Asp	
680	685	690

980	985	990
Gln Glu His Ala Ala Val Leu Leu His Arg Ala Phe Leu Val Gly		
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Met Tyr Gly Gln Met Asp Pro Ser Ala Gln Ile Ser Glu Ala Leu		
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Gln Lys Gly Asp Val Val Asp Val Tyr Gln Arg Glu Phe Leu Ala	35	40	45
Leu Arg Asp Arg Leu His Ala Ala Glu Gln Glu Ser Leu Lys Arg	50	55	60
Ser Lys Glu Leu Asn Leu Val Leu Asp Glu Ile Lys Arg Ala Val	65	70	75
Ser Glu Arg Gln Ala Leu Arg Asp Gly Asp Gly Asn Arg Thr Trp	80	85	90
Gly Arg Leu Thr Glu Asp Pro Arg Leu Lys Pro Trp Asn Gly Ser	95	100	105
His Arg His Val Leu His Leu Pro Thr Val Phe His His Leu Pro	110	115	120
His Leu Leu Ala Lys Glu Ser Ser Leu Gln Pro Ala Val Arg Val	125	130	135
Gly Gln Gly Arg Thr Gly Val Ser Val Val Met Gly Ile Pro Ser	140	145	150
Val Arg Arg Glu Val His Ser Tyr Leu Thr Asp Thr Leu His Ser	155	160	165
Leu Ile Ser Glu Leu Ser Pro Gln Glu Lys Glu Asp Ser Val Ile	170	175	180
Val Val Leu Ile Ala Glu Thr Asp Ser Gln Tyr Thr Ser Ala Val	185	190	195
Thr Glu Asn Ile Lys Ala Leu Phe Pro Thr Glu Ile His Ser Gly	200	205	210
Leu Leu Glu Val Ile Ser Pro Ser Pro His Phe Tyr Pro Asp Phe	215	220	225
Ser Arg Leu Arg Glu Ser Phe Gly Asp Pro Lys Glu Arg Val Arg	230	235	240
Trp Arg Thr Lys Gln Asn Leu Asp Tyr Cys Phe Leu Met Met Tyr	245	250	255
Ala Gln Ser Lys Gly Ile Tyr Tyr Val Gln Leu Glu Asp Asp Ile	260	265	270
Val Ala Lys Pro Asn Tyr Leu Ser Thr Met Lys Asn Phe Ala Leu	275	280	285
Gln Gln Pro Ser Glu Asp Trp Met Ile Leu Glu Phe Ser Gln Leu	290	295	300
Gly Phe Ile Gly Lys Met Phe Lys Ser Leu Asp Leu Ser Leu Ile	305	310	315
Val Glu Phe Ile Leu Met Phe Tyr Arg Asp Lys Pro Ile Asp Trp			

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Asp Ala Lys His Cys Asp Arg Gln Lys	Ala Asn Leu Arg Ile Arg	
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Phe Lys Pro Ser Leu Phe Gln His Val	Gly Thr His Ser Ser Leu	
365	370	375
Ala Gly Lys Ile Gln Lys Leu Lys Asp	Lys Asp Phe Gly Lys Gln	
380	385	390
Ala Leu Arg Lys Glu His Val Asn Pro	Pro Ala Glu Val Ser Thr	
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Ser Leu Lys Thr Tyr Gln His Phe Thr	Leu Glu Lys Ala Tyr Leu	
410	415	420
Arg Glu Asp Phe Phe Trp Ala Phe Thr	Pro Ala Ala Gly Asp Phe	
425	430	435
Ile Arg Phe Arg Phe Phe Gln Pro Leu	Arg Leu Glu Arg Phe Phe	
440	445	450
Phe Arg Ser Gly Asn Ile Glu His Pro	Glu Asp Lys Leu Phe Asn	
455	460	465
Thr Ser Val Glu Val Leu Pro Phe Asp	Asn Pro Gln Ser Asp Lys	
470	475	480
Glu Ala Leu Gln Glu Gly Arg Thr Ala	Thr Leu Arg Tyr Pro Arg	
485	490	495
Ser Pro Asp Gly Tyr Leu Gln Ile Gly	Ser Phe Tyr Lys Gly Val	
500	505	510
Ala Glu Gly Glu Val Asp Pro Ala Phe	Gly Pro Leu Glu Ala Leu	
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<400> 36

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<213> Artificial Sequence

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<223> Synthetic Oligonucleotide Probe

<400> 38

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